

Amino acid	936 microliters/ 1 ml. portion	Avg moles	μgrams	mole percent	# residues
aspartic acid	3.6346	3.635	0.418	9.4%	15.0
thr	1.1549	1.155	0.117	3.0%	4.8
ser	2.0456	2.046	0.178	5.3%	8.5
glx	6.6195	6.619	0.848	17.1%	27.4
pro-cysteine and cystein	(2.1133)	(2.113)	(0.205)	5.5%	(8.7)
gly	3.4509	3.451	0.197	8.9%	14.3
ala	2.8168	2.817	0.200	7.3%	11.6
val	2.6160	2.616	0.259	6.8%	10.8
met	0.5625	0.563	0.074	1.5%	2.3
isoleucine	1.8404	1.840	0.208	4.8%	7.6
leu	3.1701	3.170	0.359	8.2%	13.1
tyr	1.0645	1.064	0.174	2.7%	4.4
phe	1.6115	1.612	0.237	4.2%	6.7
his	(1.2110)	(1.211)	(0.166)	3.1%	(5.0)
lys					
trp	(could not be determined by amino acid analyzer)				
agr	3.5602	3.560	0.556	9.2%	14.7

Total number  
of residues 160

, said polypeptide-k having the following properties:

- i. being water insoluble but soluble to some extent at pH 9.5 and completely soluble in 10% formic acid,
- ii. being capable of sub-lingual administration,
- iii. having free N-terminal,
- iv. being stable,
- v. having shelf-life of about 18 months,
- vi. and having combustion point of 234°C, and
- vii. not showing cross reaction when tested with bovine insulin.